

**WHAT IS CLAIMED IS:**

1. A method of treating a mammal having a solid tumor or cancer, the method comprising administering to the mammal an effective amount of a polyene macrolide antibiotic selected from the group consisting of Filipin, Candicidin, Pimaricin, Nystatin, Etruscomycin and Candidin.
2. The method of claim 1, further comprising administering an effective amount of a cholesterol lowering agent.
3. The method of claim 2, wherein the agent is a statin.
4. The method of claim 3, wherein the statin is selected from the group consisting of pravastatin, simvastatin, lovastatin, fluvastatin, cerivastatin, atorvastatin, and mevastatin.
5. The method of claim 3 or 4, wherein the tumor/cancer is prostate, breast, cervical, renal and epidermal carcinoma of the mouth.
6. A method of treating a mammal having a solid tumor or cancer, the method comprising administering to the mammal an effective amount of a polyene macrolide antibiotic and a cholesterol lowering agent.
7. The method of claim 6, wherein the polyene macrolide antibiotic is selected from the group consisting of Filipin, Candicidin, Pimaricin, Nystatin, Etruscomycin and Candidin.
8. The method of claim 6, wherein the agent is a statin.
9. The method of claim 8, wherein the statin is selected from the group consisting of pravastatin, simvastatin, lovastatin, fluvastatin, cerivastatin, atorvastatin, and mevastatin.

10. The method of claim 6, wherein the agent is selected from the group consisting of a bile acid sequestrant, nicotinic acid, fenofibric acid derivative, fibrates and probucol.
11. A kit for the treatment of cancer comprising a vial of a polyene antibiotic and a vial of a cholesterol lowering agent and instructions describing their use.